

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2005/003616

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 A61B17/17 A61B19/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	WO 03/043485 A (KIENZLE, THOMAS, III) 30 May 2003 (2003-05-30) abstract; figures paragraph '0001! paragraph '0006! paragraph '0008! - paragraph '0011! paragraph '0018! - paragraph '0029!	1 2-12
X A	US 6 285 902 B1 (KIENZLE, III THOMAS C ET AL) 4 September 2001 (2001-09-04) cited in the application column 26, line 10 - column 28, line 24; figure 18 abstract; figures column 4, line 5 - column 6, line 63 column 7, line 57 - column 28, line 24	1 2-12
----- -/--		

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the international search

5 September 2005

Date of mailing of the international search report

12/09/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel (+31-70) 340-2040, Tx. 31 851 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Lager, J

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2005/003616

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2002/077540 A1 (KIENZLE THOMAS C ET AL) 20 June 2002 (2002-06-20) abstract; figures paragraph '0007! - paragraph '0012! paragraph '0031! - paragraph '0039! -----	1-12
A	US 5 517 990 A (KALFAS ET AL) 21 May 1996 (1996-05-21) cited in the application abstract; figures -----	1-12
A	US 6 074 394 A (KRAUSE ET AL) 13 June 2000 (2000-06-13) abstract; figures -----	

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2005/003616

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WD 03043485	A	30-05-2003	US 2002077541 A1 AU 2002256236 A1 EP 1448093 A2 WO 03043485 A2 US 2004143184 A1	20-06-2002 10-06-2003 25-08-2004 30-05-2003 22-07-2004
US 6285902	B1	04-09-2001	AU 3857900 A EP 1158891 A2 WO 0047103 A2 US 2001036245 A1	29-08-2000 05-12-2001 17-08-2000 01-11-2001
US 2002077540	A1	20-06-2002	US 2005148855 A1 US 2005119561 A1	07-07-2005 02-06-2005
US 5517990	A	21-05-1996	US 5309913 A EP 0676178 A1 JP 8052115 A US 6377839 B1 US 5776064 A US 5732703 A DE 69318944 D1 DE 69318944 T2 EP 0600610 A2 JP 7148180 A	10-05-1994 11-10-1995 27-02-1996 23-04-2002 07-07-1998 31-03-1998 09-07-1998 01-10-1998 08-06-1994 13-06-1995
US 6074394	A	13-06-2000	US 6503249 B1 AU 739401 B2 AU 6048398 A CA 2278711 A1 EP 0961589 A1 JP 2002513305 T WO 9832387 A1	07-01-2003 11-10-2001 18-08-1998 30-07-1998 08-12-1999 08-05-2002 30-07-1998